RAW SEQUENCE LISTING   DATE: 02/13/2002
PATENT APPLICATION: US/09/701,947A   TIME: 18:27:44

Input Set : A:\Ug_10101.app
Output Set: N:\CRF3\02132002\I701947A.raw

```
 3 <110> APPLICANT: Altman, Elliot
 5 <120> TITLE OF INVENTION: STABILIZED BIOACTIVE PEPTIDES AND METHODS OF
 6        IDENTIFICATION, SYNTHESIS AND USE
 8 <130> FILE REFERENCE: 235.00010101
10 <140> CURRENT APPLICATION NUMBER: US 09/701,947A
11 <141> CURRENT FILING DATE: 2000-12-05
13 <150> PRIOR APPLICATION NUMBER: 60/104,013
14 <151> PRIOR FILING DATE: 1998-10-13
16 <150> PRIOR APPLICATION NUMBER: 60/112,150
17 <151> PRIOR FILING DATE: 1998-12-14
19 <160> NUMBER OF SEQ ID NOS: 110
21 <170> SOFTWARE: PatentIn Ver. 2.1
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 133
25 <212> TYPE: DNA
26 <213> ORGANISM: Escherichia coli
28 <400> SEQUENCE: 1
29 ggcagtgagc gcaacgcaat taatgtgagt tagctcactc attaggcacc ccaggcttta 60
30 cactttatgc ttccggctcg tatgttgtgt ggaattgtga gcggataaca atttcacaca 120
31 ggaaacagct atg                                                    133
34 <210> SEQ ID NO: 2
35 <211> LENGTH: 25
36 <212> TYPE: PRT
37 <213> ORGANISM: Artificial Sequence
39 <220> FEATURE:
40 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide
41        having opposite charge ending motif
43 <220> FEATURE:
44 <221> NAME/KEY: SITE
45 <222> LOCATION: (6)..(21)
46 <223> OTHER INFORMATION: any amino acid
48 <400> SEQUENCE: 2
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W--> 49 Met Glu Asp Glu Asp Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
```
50   1           5                   10                  15
```
W--> 52 Xaa Xaa Xaa Xaa Xaa Arg Lys Arg Lys
```
53              20                  25
56 <210> SEQ ID NO: 3
57 <211> LENGTH: 14
58 <212> TYPE: PRT
59 <213> ORGANISM: Artificial Sequence
61 <220> FEATURE:
62 <223> OTHER INFORMATION: Description of Artificial Sequence: stabilized
63        angiotensin
```

ENTERED
see page 5

```
65  <400> SEQUENCE: 3
66  Pro Pro Asp Arg Val Tyr Ile His Pro Phe His Ile Pro Pro
67    1             5                  10
70  <210> SEQ ID NO: 4
71  <211> LENGTH: 18
72  <212> TYPE: PRT
73  <213> ORGANISM: Artificial Sequence
75  <220> FEATURE:
76  <223> OTHER INFORMATION: Description of Artificial Sequence: stabilized
77        angiotensin
79  <400> SEQUENCE: 4
80  Glu Asp Glu Asp Asp Arg Val Tyr Ile His Pro Phe His Ile Arg Lys
81    1             5                  10                 15
83  Arg Lys
87  <210> SEQ ID NO: 5
88  <211> LENGTH: 10
89  <212> TYPE: PRT
90  <213> ORGANISM: Homo sapiens
92  <400> SEQUENCE: 5
93  Asp Arg Val Tyr Ile His Pro Phe His Ile
94    1             5                  10
97  <210> SEQ ID NO: 6
98  <211> LENGTH: 20
99  <212> TYPE: DNA
100 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
105 <400> SEQUENCE: 6
106 gttgccattg ctgcaggcat                                           20
109 <210> SEQ ID NO: 7
110 <211> LENGTH: 42
111 <212> TYPE: DNA
112 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
117 <400> SEQUENCE: 7
118 attgaattca taagatcttt cctgtgtgaa attgttatcc gc                  42
121 <210> SEQ ID NO: 8
122 <211> LENGTH: 37
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
129 <400> SEQUENCE: 8
130 attgaattca ccatggacac catcgaatgg tgcaaaa                        37
133 <210> SEQ ID NO: 9
134 <211> LENGTH: 19
135 <212> TYPE: DNA
136 <213> ORGANISM: Artificial Sequence
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RAW SEQUENCE LISTING   DATE: 02/13/2002

PATENT APPLICATION: US/09/701,947A   TIME: 18 27 11

Input Set : **A:\Ug_10101.app**
Output Set: **N:\CRF3\02132002\I701947A.raw**

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138 <220> FEATURE:
139 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
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142 gttgttgcca ttgctgcag                                              19
145 <210> SEQ ID NO: 10
146 <211> LENGTH: 43
147 <212> TYPE: DNA
148 <213> ORGANISM: Artificial Sequence
150 <220> FEATURE:
151 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
153 <400> SEQUENCE: 10
154 tgtatgaatt cccgggtacc atggttgaag acgaaagggc ctc                   43
157 <210> SEQ ID NO: 11
158 <211> LENGTH: 36
159 <212> TYPE: DNA
160 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
165 <400> SEQUENCE: 11
166 tactatagat ctatgaccat gattacggat tcactg                           36
169 <210> SEQ ID NO: 12
170 <211> LENGTH: 36
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial Sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
177 <400> SEQUENCE: 12
178 tacataaagc ttggcctgcc cggttattat tatttt                           36
181 <210> SEQ ID NO: 13
182 <211> LENGTH: 47
183 <212> TYPE: DNA
184 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:
187 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
189 <400> SEQUENCE: 13
190 tatcatctgc agaggaaaca gctatgacca tgattacgga ttcactg               47
193 <210> SEQ ID NO: 14
194 <211> LENGTH: 47
195 <212> TYPE: DNA
196 <213> ORGANISM: Artificial Sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
201 <400> SEQUENCE: 14
202 tacatactcg agcaggaaag cttggcctgc ccggttatta ttatttt               47
205 <210> SEQ ID NO: 15
206 <211> LENGTH: 47
207 <212> TYPE: DNA
208 <213> ORGANISM: Artificial Sequence
210 <220> FEATURE:
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RAW SEQUENCE LISTING   DATE: 02/13/2002
PATENT APPLICATION N: US/09/701,947A   TIME: 09:05:11

Input Set : A:\Ug_10101.app
Output Set: N:\CRF3\02132002\I701947A.raw

```
211 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
213 <400> SEQUENCE: 15
214 tatcatggat ccaggaaaca gctatgacca tgattacgga ttcactg              47
217 <210> SEQ ID NO: 16
218 <211> LENGTH: 36
219 <212> TYPE: DNA
220 <213> ORGANISM: Artificial Sequence
222 <220> FEATURE:
223 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
225 <400> SEQUENCE: 16
226 tactatagat ctatggctat cgacgaaaac aaacag                          36
229 <210> SEQ ID NO: 17
230 <211> LENGTH: 40
231 <212> TYPE: DNA
232 <213> ORGANISM: Artificial Sequence
234 <220> FEATURE:
235 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
237 <400> SEQUENCE: 17
238 atatataagc ttttaaaaat cttcgttagt ttctgctacg                      40
241 <210> SEQ ID NO: 18
242 <211> LENGTH: 35
243 <212> TYPE: DNA
244 <213> ORGANISM: Artificial Sequence
246 <220> FEATURE:
247 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
249 <400> SEQUENCE: 18
250 tactatagat ctatgaacaa aggtgtaatg cgacc                           35
253 <210> SEQ ID NO: 19
254 <211> LENGTH: 35
255 <212> TYPE: DNA
256 <213> ORGANISM: Artificial Sequence
258 <220> FEATURE:
259 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
261 <400> SEQUENCE: 19
262 attagtgaat tcgcacaatc tctgcaataa gtcgt                           35
265 <210> SEQ ID NO: 20
266 <211> LENGTH: 15
267 <212> TYPE: DNA
268 <213> ORGANISM: Artificial Sequence
270 <220> FEATURE:
271 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
272        fragment
274 <400> SEQUENCE: 20
275 agatcttatg aattc                                                 15
278 <210> SEQ ID NO: 21
279 <211> LENGTH: 15
280 <212> TYPE: DNA
281 <213> ORGANISM: Artificial Sequence
283 <220> FEATURE:
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RAW SEQUENCE LISTING
PATENT APPLICATION N: US/09/701,947A   TIME: 18:27:11

Input Set : A:\Ug_10101.app
Output Set: N:\CRF3\02132002\I701947A.raw

```
      284  <223> OTHER INFORMATION: Description of Artificial Sequence: primer
      285        fragment
      287  <400> SEQUENCE: 21
      288  agatcttatg aattc                                              15
      291  <210> SEQ ID NO: 22
      292  <211> LENGTH: 15
      293  <212> TYPE: DNA
      294  <213> ORGANISM: Artificial Sequence
      296  <220> FEATURE:
      297  <223> OTHER INFORMATION: Description of Artificial Sequence: primer
      298        fragment
      300  <400> SEQUENCE: 22
      301  agatcttatg aattc                                              15
      304  <210> SEQ ID NO: 23
      305  <211> LENGTH: 93
      306  <212> TYPE: DNA
      307  <213> ORGANISM: Artificial Sequence
      309  <220> FEATURE:
      310  <223> OTHER INFORMATION: Description of Artificial Sequence: randomized
      311        oligonucleotide
      313  <220> FEATURE:
      314  <221> NAME/KEY: misc_feature
      315  <222> LOCATION: (16)..(75)
      316  <223> OTHER INFORMATION: a, g, c, or t
      318  <400> SEQUENCE: 23
W-->  319  tactatagat ctatgnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
W-->  320  nnnnnnnnnn nnnnntaata agaattctcg aca                          93
      323  <210> SEQ ID NO: 24
      324  <211> LENGTH: 18
      325  <212> TYPE: DNA
      326  <213> ORGANISM: Artificial Sequence
      328  <220> FEATURE:
      329  <223> OTHER INFORMATION: Description of Artificial Sequence: primer
      331  <400> SEQUENCE: 24
      332  tgtcgagaat tcttatta                                          18
      335  <210> SEQ ID NO: 25
      336  <211> LENGTH: 20
      337  <212> TYPE: DNA
      338  <213> ORGANISM: Artificial Sequence
      340  <220> FEATURE:
      341  <223> OTHER INFORMATION: Description of Artificial Sequence: primer
      343  <400> SEQUENCE: 25
      344  tcattaatgc agctggcacg                                        20
      347  <210> SEQ ID NO: 26
      348  <211> LENGTH: 20
      349  <212> TYPE: DNA
      350  <213> ORGANISM: Artificial Sequence
      352  <220> FEATURE:
      353  <223> OTHER INFORMATION: Description of Artificial Sequence: primer
```

Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/701,947A

DATE: 02/13/2002
TIME: 18:27:47

Input Set : **A:\Ug_10101.app**
Output Set: **N:\CRF3\02132002\I701947A.raw**

```
L:49 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 2
L:52 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 2
L:319 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:320 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:769 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54
L:836 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59
L:837 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59
L:867 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61
L:897 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63
L:898 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63
L:1008 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65
L:1009 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65
L:1039 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67
L:1040 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67
```